


**Surgical instrument used in operations on gall bladder - has catheter which can be moved axially in its guide tube**

Patent Number: DE4115007  
Publication date: 1992-11-12  
Inventor(s): BUESS GERHARD PROF DR (DE); KLIETSCH DIETMAR DIPL ING (DE); SCHMITT KLAUS (DE)  
Applicant(s): RUESCH WILLY AG (DE)  
Requested Patent:  DE4115007  
Application Number: DE19914115007 19910508  
Priority Number(s): DE19914115007 19910508  
IPC Classification: A61B17/32; A61M25/01  
EC Classification: A61B17/32E, A61M25/01  
Equivalents:

---

**Abstract**

---

The surgical instrument is for use in cholangiography. It consists of a guide tube (11) which encloses a catheter (12) which can be moved axially and rotated inside the guide tube. The catheter (12) extends through an external connector (14) and the connector end cap (15) and the free end of the catheter is clamped to a slider (17) which can slide on the guide tube.

By moving the slider (17) along the guide tube (11) the catheter can be moved axially relative to the guide tube in the direction opposite to the direction of movement of the slider.

USE/ADVANTAGE - For carrying out operations on the gall bladder under X-ray observation. The movement of the inner end of the catheter is accurately controlled by the slider (17).

---

Data supplied from the esp@cenet database - I2

**BEST AVAILABLE COPY**